

IR LASER DIODE BASED HIGH INTENSITY LIGHT

ABSTRACT OF THE DISCLOSURE

5 An infrared LASER diode based high intensity light (100) for use as
an aircraft landing light or searchlight in conjunction with night vision
imaging systems. The high intensity light (100) uses infrared LASER
diodes (110) installed into a heat sink (112) for temperature stability. The
infrared light emitted from the LASER diodes (110) is transmitted to an
optical positioning plate (106) by optical transmission means (108). The
10 optical positioning plate (106) combines the emissions of the individual
LASER diodes (110) to a single infrared light beam, which is collimated by
an aspheric lens (102).